

MAR 25 2002

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

| <i>Complete if Known</i> | |
|-------------------------------|-------------------|
| Application Number | 09/974,936 |
| Filing Date | 10/10/2001 |
| First Named Inventor | Steven J. Visco |
| Art Unit | 2812 1748 |
| Examiner Name | Unassigned KAC/EM |
| Attorney Docket Number | 1405 |

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature | | Date Considered | 5/16/03 |
|-----------------------|---|--------------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if

English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patent, Washington, DC 20231.

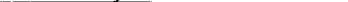
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|----------------------|-------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | |
| (use as many sheets as necessary) | | | |
| Sheet | 2 | of | 16 |
| ATT & TRADEMARKS CT | | Application Number | 09/974,936 |
| | | Filing Date | October 10, 2001 |
| | | First Named Inventor | Steven J. Visco |
| | | Group Art Unit | 2812 1745 |
| | | Examiner Name | Unassigned KACRIT |
| Attorney Docket Number | | 1B-1905 | |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|--------------------------------------|---|---|---|
| | | Number | Kind Code ² (if known) | | | |
| JK | 5314765 | | | Bates | 05/24/1994 | |
| JK | 5338625 | | | Bates et al. | 08/16/1994 | |
| JK | 5342710 | | | Koksbang | 08/30/1994 | |
| JK | 5455126 | | | Bates et al. | 10/03/1995 | |
| JK | 5512147 | | | Bates et al. | 04/30/1996 | |
| JK | 5567210 | | | Bates et al. | 10/22/1996 | |
| JK | 5569520 | | | Bates | 10/29/1996 | |
| JK | 5597660 | | | Bates et al. | 01/28/1997 | |
| JK | 5612152 | | | Bates | 03/18/1997 | |
| JK | 5648487 | | | Beriger et al. | 07/15/1994 | |
| JK | 6025094 | | | Visco et al. | 02/15/2000 | |
| JK | 5670270 | | | Wallin | 09/23/1997 | |
| JK | 5480739 | | | Kawasaki et al. | 01/02/1996 | |
| JK | 5589285 | | | Cable et al. | 12/31/1996 | |
| JK | 5824434 | | | Kawakami et al. | 10/20/1998 | |
| JK | 5814420 | | | Chu | 09/29/1998 | |
| JK | 5686201 | | | Chu | 11/11/1997 | |
| JK | 5538814 | | | Kamauchi et al. | 07/23/1996 | |

FOREIGN PATENT DOCUMENTS

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature |  | Date Considered | 5/16/03 |
|-----------------------|---|--------------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MAR 25

Sheet 3 of 46

Form 1449 (Modified)
Information Disclosure
Statement By Applicant
(Use Several Sheets if Necessary)

Atty Docket No.

IB-1405

Applicant:

Jacobson, et al.

Filing Date

October 10, 2001

Application No. 7746
09/974,93610/26/2002
TC 2807 95Group 2141 ROOM
Not yet assigned

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|----------|----------------------|-------|-----------|-------------|
| OK | A1 | 5,328,779 | 07/12/94 | Tannenberger, et al. | 929 | 32 | 12/13/90 |
| OK | A2 | 5,366,770 | 11/22/94 | Wang | 305 | 477 | 9/13/93 |
| OK | A3 | 5,670,270 | 09/23/97 | Wallin | | | 11/16/95 |
| OK | A4 | 5,932,368 | 08/03/99 | Batawi, et al. | | | 1/10/97 |
| OK | A5 | 5,993,986 | 11/30/99 | Wallin, et al. | | | 4/30/97 |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|------------------|-----|---|
| OK | B1 | Fujii, K., et al., "Manufacturing and Characterization of Metallic System Support Tube for Solid Oxide Fuel Cells", Bulletin of the Electrotechnical Laboratory, Vol. 62, No.1-2, 1998, pp. 1319 (Month unknown) |
| OK | B2 | Momma, et al., "High Potential Performance of Tubular Type SOFC Using Metallic System Components", Electrotechnical Laboratory, Electrochemical Proceedings Volume 97-40, June 1997, pp. 310-321. |
| OK | B3 | Okuo, et al., "Development of Metallic Substrate Tubular SOFC", Electrotechnical Laboratory, October 1994, pp. 908-919. (Month unknown) |
| OK | B4 | Okuo, T., et al., "Improvement in Power Stability and Durability Demonstration on New Tubular Type SOFC Using Metallic System Component", Vol. 60, No. 5, 1996 pp. 1-9. (Month unknown) |
| OK | B5 | Schiller, G., et al., "Development of Metallic Substrate Supported Thin-Film SOFC by Applying Plasma Spray Techniques", Electrochemical Society Proceedings Vol. 99-19, October 1999, pp. 892-903. (Month unknown) |
| OK | B6 | Schiller, G., et al., "Development of Plasma Sprayed Components for a New SOFC Designs", Electrochemical Proceedings Vol. 97-40, October 1999, pp. 634-645. (Month unknown) |
| OK | B7 | Schiller, G. et al., "Development of SOFC Components by Vacuum Plasma Spraying", 1998, pp. 515-518. (Month unknown) |
| OK | B8 | Takeno, et al., "Development of Metallic Substrate Supported Planar SOFC at Fuji Electric", Fuel Cell Seminar Abstracts, November 1998, pp. 84-87. (Month unknown) |
| OK | B9 | Unal, et al., "Microstructures of Y_2O_3 -Stabilized ZrO_2 Electron Beam-Physical Vapor Deposition Coatings on Ni-Base Superalloys", Department of Materials Science and Engineering, Vol. 984-92, 1994, pp. 984-992. (Month unknown) |
| OK | B10 | Wallin, et al., "Cofired Solid Oxide Fuel Cells for Operation at 800°C", 1997, Abstract (Month unknown) |

Examiner

OK K

Date Considered

5/16/03

(Month unknown)

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MAR 25 2002

Sheet 4 of 6

Form 1449 (Modified)

TRADEMA

Information Disclosure
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.
IB-1405

RECEIVED

Application No.
09/974,936Applicant: MAR 26 2002
Jacobson, et al.

Filing Date & 2800 MAIL ROOM

October 10, 2001

TG 700

Group (745)

Not yet assigned

RECEIVED
JUL 11 2002

| Other Documents | | |
|------------------|-----|---|
| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
| SOK | B11 | Christiansen, "Solid Oxide Fuel Cell", August 9, 2001, United States Patent Application Publication, Pub. No. US 2001/0012576 A1. |
| OK | B12 | Seabaugh, et al., "Low-Cost Fabrication Processes for Solid Oxide Fuel Cells", October 30, 2000, NexTech Materials, Ltd. |
| Examiner | | Date Considered |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OK

5/16/03



**COPY OF PAPERS
ORIGINALLY FILED**

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Required to respond to a collection of information unless it contains a valid OMB

Under the Paper
Control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 5 of 10

Complete if Known

| | |
|------------------------|--------------------------|
| Application Number | 09/974,936 |
| Filing Date | 10/10/2001 |
| First Named Inventor | Craig P. Jacobson |
| Art Unit | 2812 1745 |
| Examiner Name | not yet assigned KAZA/31 |
| Attorney Docket Number | ID 1405 |

er | IB-1405

U.S. PATENT DOCUMENTS

RECEIVED

JUL 22 2002

TC 1700

FOREIGN PATENT DOCUMENTS

| | | | |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 5/16/03 |
|--------------------|---|-----------------|---------|

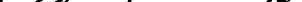
***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if entitled to the benefit of the filing date of the prior application.

English language Translation is attached.
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. 1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|------------|---|----------------------|
| <i>OK</i> | | Yao, et al., Improved Preparation procedure and properties for a multilayer piezoelectric thick-film actuator, Sensors and Actuators, A 71 (1998) 139-143. | <i>MONTH UNKNOWN</i> |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|---|--------------------|---------|
| Examiner Signature |  | Date Considered | 5/16/03 |
|-----------------------|---|--------------------|---------|

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.